	Application No.	Applicant(s)	
Notice of Allowability	10/724,229	TANO ET AL.	
	Examiner	Art Unit	
	Nguyen T Ha	2831	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ars on the cover sheet with (OR REMAINS) CLOSED in or other appropriate commur GHTS. This application is su	a the correspondence addre this application. If not include nication will be mailed in due of	d course. THIS
1. This communication is responsive to <u>12/1/2003</u> .			
2. ☑ The allowed claim(s) is/are <u>1-10</u> .			
3. \square The drawings filed on <u>01 December 2003</u> are accepted by	the Examiner.		
 Acknowledgment is made of a claim for foreign priority una)	been received. been received in Application cuments have been received of this communication to file a	No in this national stage applicati	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	tted. Note the attached EXAI is reason(s) why the oath or o	MINER'S AMENDMENT or NO declaration is deficient.	OTICE OF
 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent-Drawing-Review-(PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 0304 & 0604 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6⊡-Interview-Sur Paper No./M B), 7.	rmal Patent Application (PTO- nmary-(PTO-413),	· · _ · _ ·

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-10 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1-2 and 5-6, the prior art alone or in combination does not teach the limitation of a raw material composite for a carbon material used in an electric double layer capacitor containing microcrystalline carbon, the raw material composite being formed into a carbon material for an electric double layer capacitor by undergoing an activation treatment, wherein a crystallite size Lc₀₀₂ of the microcrystalline carbon determined by the X-ray diffraction method being 3.0 nm or below.

With respect to claims 3-4, the prior art alone or in combination does not teach the limitation of a method of manufacturing a raw material composite for a carbon material used in an electric double layer capacitor, the raw material composite containing microcrystalline carbon being formed into the carbon material for an electric double layer capacitor by undergoing an activation treatment, wherein the raw material carbon having an integrated intensity of an X-ray diffraction peak corresponding to a 002 lattice plane equal to or more than 10% of graphite.

With respect to claims 7-10, the prior art alone or in combination does not teach the limitation of a method of manufacturing an electric double layer capacitor comprising a raw material carbon containing the microcrystalline carbon, wherein the raw material carbon having an integrated intensity of an X-ray diffraction peak corresponding to a 002 lattice plane equal to or more than 10% of graphite, and an interlayer distance d₀₀₂

of the microcrystalline carbon being 0.337 nm or below and a crystallite size La₁₁₀ of the microcrystalline carbon being 80 nm or above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation Relevant of Prior Art

- 2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- Tennent et al. (US 6,665,169) disclose graphitic nanofibers in a. electrochemical capacitors.
- b. Niiori et al. (US 6,487,066) disclose electric double layer capacitor and method for producing the same.
- C. Niu (US 6,205,016) discloses fibril composite electrode for electrochemical capacitors.
- d. Saito et al. (US 5,786,555) disclose polarizable electrode for electric double layer capacitor.
- Zhang et al. (US 5,690,901) disclose carbon electrode materials for e. electrochemical cells and method of making.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T Ha whose telephone number is 571-272Application/Control Number: 10/724,229 Page 4

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1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen T. Ha December 11, 2004

DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800